

CRF Errors Corrected by the STIC Syst, n:3 Branch

Serial Number: 09/820,375

ENTERED

CRF Processing Date: 1/29/2002

Edited by: De

Verified by: (STIC Staff)

RECEIVED  
JAN 31 2002  
CENTER 1600/2900

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:

☐ Deleted extra, invalid, headings used by an applicant, specifically:

☒ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as

☐ Inserted mandatory headings, specifically:

☐ Corrected an obvious error in the response, specifically:

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:

☐ Other:

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



1645

## RAW SEQUENCE LISTING

DATE: 01/29/2002

PATENT APPLICATION: US/09/870,375

TIME: 09:54:45

Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF3\01292002\I870375.raw

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3 <110> APPLICANT: MERISTEM THERAPEUTICS
5 <120> TITLE OF INVENTION: SYNTHETIC AND CHIMERIC PROMOTERS, EXPRESSION CASSETTES,
6   PLASMIDS, VECTORS, TRANSGENIC PLANTS ET SEEDS INCLUDING
7   THEM AND PROCESSES FOR PRODUCING THE SAME
9 <130> FILE REFERENCE: PrHMWGl
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/870,375
C--> 12 <141> CURRENT FILING DATE: 2001-05-30
14 <160> NUMBER OF SEQ ID NOS: 37
16 <170> SOFTWARE: PatentIn Ver. 2.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 417
20 <212> TYPE: DNA
21 <213> ORGANISM: Triticum aestivum
23 <220> FEATURE:
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25 <222> LOCATION: (22)..(29)
26 <223> OTHER INFORMATION: Prolamine- like box
28 <220> FEATURE:
29 <221> NAME/KEY: misc_feature
30 <222> LOCATION: (70)..(73)
31 <223> OTHER INFORMATION: GATA box
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <222> LOCATION: (87)..(90)
36 <223> OTHER INFORMATION: GATA box
38 <220> FEATURE:
39 <221> NAME/KEY: misc_feature
40 <222> LOCATION: (127)..(133)
41 <223> OTHER INFORMATION: Prolamine-like box
43 <220> FEATURE:
44 <221> NAME/KEY: misc_feature
45 <222> LOCATION: (161)..(168)
46 <223> OTHER INFORMATION: G-like box
48 <220> FEATURE:
49 <221> NAME/KEY: enhancer
50 <222> LOCATION: (193)..(230)
51 <223> OTHER INFORMATION: Enhancer box
53 <220> FEATURE:
54 <221> NAME/KEY: TATA_signal
55 <222> LOCATION: (349)..(355)
56 <223> OTHER INFORMATION: TATA box
58 <220> FEATURE:
59 <221> NAME/KEY: misc_feature

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## RAW SEQUENCE LISTING

DATE: 01/29/2002

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Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF3\01292002\I870375.raw

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61 <223> OTHER INFORMATION: Transcription initiation site
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65 cccaagaagg ataatcactt ttcttagata aaaaagaaca gaccaatata caaacatcca 120
66 cactttctgca aacaatacat cagaactagg attacgccga ttacgtggct ttagcagact 180
67 gtccaaaaat ctgttttgca aagctccaat tgctccttgc ttatccagct tcttttgtgt 240
68 tggcaaaactg cgcttttcca accgattttg ttcttctcgc gctttcttct taggctaaac 300
69 aaacctcacc gtgcacgcag ccatggtcct gaaccttcac ctgcgcccta taaaagccta 360
70 gccaaccttc acaatcttat catcacccac aacaccgagc accacaaact agagatc 417
73 <210> SEQ ID NO: 2
74 <211> LENGTH: 181
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence:MPr1126
80     promoter
82 <220> FEATURE:
83 <221> NAME/KEY: TATA_signal
84 <222> LOCATION: (113)..(119)
85 <223> OTHER INFORMATION: TATA box
87 <220> FEATURE:
88 <221> NAME/KEY: misc_feature
89 <222> LOCATION: (143)
90 <223> OTHER INFORMATION: Transcription Initiation site
92 <400> SEQUENCE: 2
93 gtgttggaac actgcgcttt tccaaccgat ttgtttcttc tcgcgctttc ttcttaggct 60
94 aaacaaacct caccgtgcac gcagccatgg tcctgaacct tcacctcgtc cctataaaaag 120
95 cctagccaac cttcacaatc ttatcatcac ccacaacacc gagcaccaca aactagagat 180
96 c 181
99 <210> SEQ ID NO: 3
100 <211> LENGTH: 244
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence:MPr1127
106     promoter
108 <220> FEATURE:
109 <221> NAME/KEY: enhancer
110 <222> LOCATION: (20)..(57)
111 <223> OTHER INFORMATION: Enhancer box
113 <220> FEATURE:
114 <221> NAME/KEY: TATA_signal
115 <222> LOCATION: (176)..(182)
116 <223> OTHER INFORMATION: TATA box
118 <220> FEATURE:
119 <221> NAME/KEY: misc_feature
120 <222> LOCATION: (206)
121 <223> OTHER INFORMATION: Transcription Initiation site

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Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF3\01292002\I870375.raw

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125 tttgtgttg caaactgcgc ttttccaacc gattttgttc ttctcgcgct ttcttcttag 120
126 gctaaacaaa cctcaccgtg cacgcagcca tggtcctgaa ccttcacctc gtccctataa 180
127 aagcctagcc aaccttcaca atcttatcat caccacacac accgagcacc acaaaactaga 240
128 gatc 244
131 <210> SEQ ID NO: 4
132 <211> LENGTH: 277
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
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138 promoter
140 <220> FEATURE:
141 <221> NAME/KEY: misc_feature
142 <222> LOCATION: (21)..(28)
143 <223> OTHER INFORMATION: G-like box
145 <220> FEATURE:
146 <221> NAME/KEY: enhancer
147 <222> LOCATION: (53)..(90)
148 <223> OTHER INFORMATION: Enhancer box
150 <220> FEATURE:
151 <221> NAME/KEY: TATA_signal
152 <222> LOCATION: (209)..(215)
153 <223> OTHER INFORMATION: TATA box
155 <220> FEATURE:
156 <221> NAME/KEY: misc_feature
157 <222> LOCATION: (239)
158 <223> OTHER INFORMATION: Transcription Initiation Site
160 <400> SEQUENCE: 4
161 cagaactagg attacgccga ttacgtggct ttagcagact gtccaaaaat ctgtttttgca 60
162 aagctccaat tgctccttgc ttatccagct tcttttgtgt tggcaaaactg cgctttttcca 120
163 accgattttg ttcttctcgc gctttcttct taggctaaac aaacctcacc gtgcacgcag 180
164 ccatggtcct gaaccttcac ctggtcccta taaaagccta gccaaccttc acaatcttat 240
165 catcacccac aacaccgagc accacaaaact agagatc 277
168 <210> SEQ ID NO: 5
169 <211> LENGTH: 472
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Description of Artificial Sequence:MPr1130
175 promoter
177 <220> FEATURE:
178 <221> NAME/KEY: misc_feature
179 <222> LOCATION: (22)..(29)
180 <223> OTHER INFORMATION: Prolamine-like box
182 <220> FEATURE:
183 <221> NAME/KEY: misc_feature
184 <222> LOCATION: (70)..(73)

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Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF3\01292002\I870375.raw

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185 <223> OTHER INFORMATION: GATA box
187 <220> FEATURE:
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189 <222> LOCATION: (87)..(90)
190 <223> OTHER INFORMATION: GATA box
192 <220> FEATURE:
193 <221> NAME/KEY: misc_feature
194 <222> LOCATION: (127)..(133)
195 <223> OTHER INFORMATION: Prolamine-like box
197 <220> FEATURE:
198 <221> NAME/KEY: misc_feature
199 <222> LOCATION: (161)..(168)
200 <223> OTHER INFORMATION: G-like box
202 <220> FEATURE:
203 <221> NAME/KEY: enhancer
204 <222> LOCATION: (193)..(230)
205 <223> OTHER INFORMATION: Enhancer box
207 <220> FEATURE:
208 <221> NAME/KEY: misc_feature
209 <222> LOCATION: (314)..(368)
210 <223> OTHER INFORMATION: As2/As2/As1 box
212 <220> FEATURE:
213 <221> NAME/KEY: TATA_signal
214 <222> LOCATION: (404)..(410)
215 <223> OTHER INFORMATION: TATA box
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
219 <222> LOCATION: (434)
220 <223> OTHER INFORMATION: Transcription Initiation Site
222 <400> SEQUENCE: 5
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224 cccaagaagg ataatcactt ttcttagata aaaaagaaca gaccaatata caaacatcca 120
225 cacttctgca aacaatacat cagaactagg attacgccga ttacgtggct ttagcagact 180
226 gtccaaaaat ctgttttgca aagctccaat tgctccttgc ttatccagct tcttttgtgt 240
227 tggcaaaactg cgcttttcca accgattttg ttcttctcgc gctttcttct taggctaaac 300
228 aaacctcacc gtgattgatg tgatatcaag attgatgtga tatctccact gacgtaaggg 360
229 atgacgcaca cgcagccatg gtcctgaacc ttcacctcgt ccctataaaa gcctagccaa 420
230 ccttcacaat cttatcatca cccacaacac cgagcaccac aaactagaga tc 472
233 <210> SEQ ID NO: 6
234 <211> LENGTH: 455
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Description of Artificial Sequence:MPrl131
240 promoter
242 <220> FEATURE:
243 <221> NAME/KEY: misc_feature
244 <222> LOCATION: (22)..(29)
245 <223> OTHER INFORMATION: Prolamine-like box

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TIME: 09:54:45

Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF3\01292002\I870375.raw

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247 <220> FEATURE:
248 <221> NAME/KEY: misc_feature
249 <222> LOCATION: (70)..(73)
250 <223> OTHER INFORMATION: GATA box
252 <220> FEATURE:
253 <221> NAME/KEY: misc_feature
254 <222> LOCATION: (87)..(90)
255 <223> OTHER INFORMATION: GATA box
257 <220> FEATURE:
258 <221> NAME/KEY: misc_feature
259 <222> LOCATION: (127)..(133)
260 <223> OTHER INFORMATION: Prolamine-like box
262 <220> FEATURE:
263 <221> NAME/KEY: misc_feature
264 <222> LOCATION: (161)..(168)
265 <223> OTHER INFORMATION: G-like box
267 <220> FEATURE:
268 <221> NAME/KEY: enhancer
269 <222> LOCATION: ()..()
270 <223> OTHER INFORMATION: Enhancer box
272 <220> FEATURE:
273 <221> NAME/KEY: misc_feature
274 <222> LOCATION: ()..()
275 <223> OTHER INFORMATION: As2/As1 box
277 <220> FEATURE:
278 <221> NAME/KEY: TATA_signal
279 <222> LOCATION: ()..(393)
280 <223> OTHER INFORMATION: TATA box
282 <220> FEATURE:
283 <221> NAME/KEY: misc_feature
284 <222> LOCATION: ()
285 <223> OTHER INFORMATION: Transcription Initiation Site
287 <400> SEQUENCE: 6
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289 cccaagaagg ataatcactt ttcttagata aaaaagaaca gaccaatata caaacatcca 120
290 cactttctgca aacaatacat cagaactagg attacgccga ttacgtggct ttagcagact 180
291 gtccaaaaaat ctgttttgca aagctccaat tgctccttgc ttatccagct tcttttgtgt 240
292 tggcaaaactg cgcttttcca accgattttg ttcttctcgc gctttcttct taggctaaac 300
293 aaacctcacc gtgattgatg tgatatctcc actgacgtaa gggatgacgc acacgcagcc 360
294 atggtcctga accttcacct cgtccctata aaagcctagc caaccttcac aatcttatca 420
295 tcaccacaaa caccgagcac cacaaactag agatc 455
298 <210> SEQ ID NO: 7
299 <211> LENGTH: 332
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Description of Artificial Sequence:MPrl135
305 promoter
307 <220> FEATURE:

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## VERIFICATION SUMMARY

DATE: 01/29/2002

PATENT APPLICATION: US/09/870,375

TIME: 09:54:46

Input Set : A:\PTO.AMC.TXT

Output Set: N:\CRF3\01292002\I870375.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date